

ABSTRACT OF THE DISCLOSURE

An input protection circuit includes an inverting
amplifier circuit which converts the potential of an input
5 signal input in such a way that the potential of the input
signal lies in the input range of the potential range of a
signal inputtable to an IC internal circuit. One protection
diode is connected to a virtual ground node between an input
resistor and an operational amplifier and a positive power-
10 supply terminal to allow the input signal which has
excessively exceeded the input range on the positive power-
supply terminal side to flow toward the positive power-
supply terminal, and another protection diode is connected
to an arbitrary point between an input terminal and the
15 input resistor and a negative power-supply terminal to allow
the input current of the input signal which has excessively
exceeded the input range on the negative power-supply
terminal side to flow toward the input terminal from the
negative power-supply terminal, thereby protecting the IC
20 internal circuit.